

**INSTRUCTIONS**  
**FORM F20b**  
**REFINERY FUGITIVE VOC EMISSIONS**  
**USING CORRELATION EQUATIONS**

Department of Environmental Quality  
Division of Air Quality  
P.O. Box 144820  
Salt Lake City, UT 84114-4820  
Telephone (801) 536-4000

---

Pt. Source ID	Provide identification number for each process.
SCC	Enter the appropriate Source Classification Code (SCC). See General Instructions for explanation.
Source Description	Choose from the following: <ol style="list-style-type: none"><li>1. Process drains - Wastewater separators w/o recovery systems and/or separator covers.</li><li>2. Process drains - Wastewater separator w/ recovery systems and separator covers.</li><li>3. Pipeline valves.</li><li>4. Pipeline flanges.</li><li>5. Pump seals.</li><li>6. Mechanical pump seals.</li><li>7. Dual pump seals.</li><li>8. Purged seals.</li><li>9. Compressor seals.</li><li>10. Vessel relief valves.</li><li>11. Open ended lines and sampling valves.</li></ol>
Process Stream Type	Select the following type of streams: <ol style="list-style-type: none"><li>I. All streams</li><li>II. Gas streams.</li><li>III. Light liquid and gas/liquid streams.</li><li>IV. Heavy liquid streams.</li><li>V. Hydrogen streams.</li></ol>
Number of Units	List the total number of units in operation emitting fugitive hydrocarbons (note: this is not the total checked for the season, it is the actual number of units).
Default Zero Emission Rate Show	Provide the default zero emission rate used for each source. detailed calculation on Supplement Form 20b.
Units	Provide the default zero emission rate units in lbs/hr or kg/hr.
Pegged Emission Rate	Provide the pegged emission rate used for each source. Show detailed calculation on Supplement Form 20b.
Units	Provide the pegged emission rate units in lbs/hr or kg/hr.
Correlation Equation	Provide the correlation equation used for each source. Show detailed calculation on Supplement Form 20b.
Units VOC Emissions	Provide the correlation equation units in lbs/hr or kg/hr. Calculate the amount of VOC in tons per year. <b>Attach</b>

**Supplement Form 20b as documentation for the monitored components including name, number and leak rate (ppm).**

Estimate Code	Provide the valid method code for quantifying actual emissions of each pollutant. The valid method code for correlation equations is 09 (User-calculated based on state or local agency's emission factor).
Comment	Provide any additional information necessary for calculation of emissions.